

Ripped straight from the pages of old Space News Roundups, here's what happened at JSC on this date:

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The Review Board had reported that a short circuit ignited electrical insulation in spacecraft oxygen tank No. 2, causing failure of the tank, subsequent loss of electrical power and abort of the lunar-landing mission 200,000 miles from Earth on April 13.

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This was the third test of the propulsion system which features a cluster of three main engines installed in an Orbiter aft fuselage section. Liquid hydrogen and liquid oxygen propellants are fed to the engines from a flight-type External Tank

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By 4 p.m. Tuesday, the orbiter was mated to its external tank and solid rocket booster stack atop the mobile launch platform in VAB high bay 3.

Egbert Hood, an aerospace engineering co-op from the University of Texas, explained that his favorite part of the trip was “watching the shuttle sitting on the pad at 5 a.m., watching the sun rise,

- ◆ The VAB is so large that clouds can form and rain inside the building.
- ◆ The fuel pump on the Space Shuttle Main Engine produces a flow rate that is capable of filling six Olympic-sized pools in less than 30 seconds.
- ◆ Half a million gallons of water are dumped on the launch pad within 30 seconds during launch.
- ◆ It takes the crawler 6 to 8 hours to travel from the Vehicle Assembly Building to the launch pad.
- ◆ Stennis technicians and test engineers have to wait several hours after a Space Shuttle Main Engine test firing because the cryogenics make everything in the test stand so cold, rather than the exhaust heating everything up.

After an exhausting trip to the Cape, the co-ops returned to Houston on the afternoon of May 29. How did they keep occupied during the car ride home? Counting Waffle Houses, of course. In case you ever wondered, there are 64 Waffle Houses between Kennedy Space Center and Johnson Space Center. ■



Co-op students standing in front of Launch Pad 39B with Tim Potter, Payload Ground Operations contract manager representative at Kennedy Space Center, from left, front, are: Kylie Moritz, Angie Villar, Sarah Brehmer, Casey Kirchner, Christopher Lamoreaux, Potter, Edgar Medina, Ignacio Villarreal, Aaron Swank; back: Kristy Stokke, Egbert Hood, Chip McCann, Tim Graves, Philip Strawser, Jim Westlake.

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Contest: Purchase a classic mission pin (retail price \$2.50) for the chance to win a trip for two to Cozumel. Contest begins July 7, 1999, and ends August 13, 1999. Official drawing will be held August 18, 1999. See Exchange stores for details.

